

IFN Fundamentals 2014

Interferon Fundamentals 2014

From Molecular Mechanisms
to Human Diseases

Rome, February 20, 2014

Auditorium Pocchiari
Istituto Superiore di Sanità

Over the last two decades, we have witnessed a tremendous progress in understanding the mechanisms by which interferon (IFN) and other related cytokines act on cells and animal models. Thus, the recent progress in the IFN research has been instrumental for acquiring new and important knowledge in various fields, such as cytokine signaling, antiviral responses, innate and adaptive immunity, immune regulation and tumor immunology and immunotherapy. IFNs (especially IFN- α) have been widely used in clinical practice for the treatment of some human malignancies and certain infectious diseases with variable responses and some types of IFN are still used in clinical practice.

The meeting is dedicated to the memory of Professor Giovanni Battista Rossi, who introduced the IFN research at the Istituto Superiore di Sanità and promoted a national research program on AIDS in Italy, 20 years after his death.

PROGRAMME

8.00 *Registration*

8.30 Welcome address

F. Oleari, Presidente, Istituto Superiore di Sanità

L. Frati, Rettore, Sapienza Università di Roma

S. Mobilio, Direttore, Dipartimento di Scienze, Università degli Studi "Roma Tre"

OPENING SESSION

Chairpersons: **G. Rezza**, **M. Pocchiari**

8.50 Working with GB. Rossi at the Istituto Superiore di Sanità: a personal memory

P. Verani

9.00 GB. Rossi's vision of Biomedical Research

S. Vella

9.10 On Intuition and the Discovery of Interferon

I. Gresser

SESSION I

Chairpersons: **E. Affabris**, **G. Romeo**

9.30 The role of interferons and other cytokines in the regulation of the immune response

G. Trinchieri

10.00 Type I interferon signalling and its stringent control

S. Pellegrini

10.30 The NK cells and the Interferons

A. Santoni

11.00 *Coffee Break*

SESSION II

Chairpersons: **A. Battistini**, **EM. Coccia**

11.30 Innate Immune Response to Human Retrovirus Infection

J. Hiscott

12.00 The interferon system and autoimmunity

S. Landolfo

12.30 High efficiency targeting of IFN- α activity: possible applications in fighting tumors, infections and autoimmunity

G. Uzé

13.00 *Lunch and Poster Session*

SESSION III

Chairpersons: **A. Dolei, MR. Capobianchi**

14.00 Recent insights on the role of interferon in regulating the immune response and perspectives for clinical applications

F. Belardelli

14.30 Interferon and antitumor immunity

TF. Gajewski

15.00 From infection to immunotherapy: the role of interferon in HCV infection.

V. Barnaba

15.30 Coffee Break

ROUND TABLE:

What have we learned from the clinical use of interferon and how can we translate the recent knowledge in future clinical applications?

Chairpersons: **E. Proietti, G. Antonelli**

15.45 Introductory remark

I. Gresser

15.55 The use of interferon in melanoma patients

P. Ascierto

16.10 What IFN- α has meant to hematology and what hematology has meant to IFN- α

R. Foà

16.25 Lessons from the clinical use of interferon in patients with viral hepatitis

M. Levrero

16.40 Interferon and HIV infection: an old therapy for a new opportunity

G. D'Offizi

16.55 IFN- β and Multiple Sclerosis: from etiology to therapy and back

M. Salvetti

17.10 Biological and clinical monitoring of IFN- β therapy in Multiple Sclerosis

A. Bertolotto

17.25 Open discussion

18.00 Final remarks

F. Belardelli

SPEAKERS AND CHAIRPERSONS

Elisabetta Affabris, Dipartimento di Scienze, Università degli Studi Roma Tre, Roma
Guido Antonelli, Dipartimento di Medicina Molecolare, Sapienza Università di Roma, Roma
Paolo Ascierto, Istituto Nazionale Tumori Fondazione "G. Pascale", Napoli
Vincenzo Barnaba, Dipartimento di Medicina Interna, Sapienza Università di Roma, Roma
Angela Battistini, Dipartimento di Malattie Infettive, Parassitarie ed Immunomediate, Istituto Superiore di Sanità, Roma
Filippo Belardelli, Dipartimento di Ematologia, Oncologia e Medicina Molecolare, Istituto Superiore di Sanità, Roma
Antonio Bertolotto, Azienda Ospedaliero Universitaria "San Luigi Gonzaga", Orbassano
Maria Rosaria Capobianchi, Laboratorio di Virologia, Istituto Nazionale per le Malattie Infettive "L. Spallanzani", Roma
Eliana Marina Coccia, Dipartimento di Malattie Infettive, Parassitarie e Immunomediate, Istituto Superiore di Sanità, Roma
Gianpiero D'Offizi, Immunoinfettivologia, Istituto Nazionale per le Malattie Infettive "L. Spallanzani", Roma
Antonina Dolei, Dipartimento di Scienze Biomediche, Università di Sassari, Sassari
Robin Foà, Dipartimento di Biotecnologie Cellulari ed Ematologia, Sapienza Università di Roma, Roma
Luigi Frati, Rettore, Sapienza Università di Roma, Roma
Thomas F. Gajewski, University of Chicago, Chicago, Illinois, USA
Ion Gresser, Centre des Recherches Biomedicales des Cordeliers, Paris, France
John Hiscott, Division of Infectious Diseases, Vaccine & Gene Therapy Institute of Florida, USA
Santo Landolfo, Dipartimento di Sanità Pubblica e Microbiologia, Università di Torino, Torino
Massimo Levrero, Dipartimento di Medicina Interna, Sapienza Università di Roma, Roma
Settimio Mobilio, Direttore, Dipartimento di Scienze, Università degli Studi Roma Tre, Roma
Fabrizio Oleari, Presidente, Istituto Superiore di Sanità, Roma
Sandra Pellegrini, Département d'Immunologie, Institut Pasteur, Paris, France
Maurizio Pocchiari, Dipartimento di Biologia Cellulare e Neuroscienze, Istituto Superiore di Sanità, Roma
Enrico Proietti, Dipartimento di Ematologia, Oncologia e Medicina Molecolare, Istituto Superiore di Sanità, Roma
Giovanni Rezza, Dipartimento di Malattie Infettive, Parassitarie ed Immunomediate, Istituto Superiore di Sanità, Roma
Giovanna Romeo, Dipartimento di Scienze e biotecnologie medico-chirurgiche, Sapienza Università di Roma, Roma
Marco Salvetti, Centro Neurologico di Terapia Sperimentale (CENTERS), Ospedale S. Andrea, Sapienza Università di Roma, Roma
Angela Santoni, Dipartimento di Medicina Molecolare, Sapienza Università di Roma, Roma
Giorgio Trinchieri, Center for Cancer Research, National Cancer Institute, Frederick, USA
Gilles Uzé, Unité Mixte de Recherche 5235, Centre National de la Recherche Scientifique, University of Montpellier II, Montpellier, France
Stefano Vella, Dipartimento del Farmaco, Istituto Superiore di Sanità, Roma
Paola Verani, Istituto Superiore di Sanità, Roma

SCIENTIFIC COMMITTEE

Filippo BELARDELLI
Elisabetta AFFABRIS
Guido ANTONELLI
Angela BATTISTINI
Eliana M. COCCIA
Gianna FIORUCCI
Giovanna ROMEO

SCIENTIFIC SECRETARIAT

Franca MORETTI
Phone: +39-06-49906095

TECHNICAL SECRETARIAT

Anna FERRIGNO
Phone: +39-06-49906093, Fax: +39-06-49902097
Rosario INTERNULLO
Phone: 39-06-49906096, Fax 06-49902097
Veronica MICHETTI
Phone: +39 06 49906094, Fax: +39 06 49902097

e-mail: ifnfundamentals2014@iss.it

GENERAL INFORMATION

Venue

Istituto Superiore di Sanità, Pocchiari Auditorium
Viale Regina Elena, 299 – 00161 – Rome

Number of seats available: 200

No Continuing Medical Education (CME) credits will be awarded for this event.

This event is part of the scientific and tutorial activities of the Doctoral School in Biology and PhD Program in Biomedical Sciences and Technologies of University Roma Tre.

Participation in this event is free.

Conference registration

The registration form can be downloaded from www.iss.it/ifnf/. The registration form, duly completed and signed must be faxed to the Technical Secretariat (+39-06-49902097) or sent as a PDF file to IFNfundamentals2014@iss.it by January 31, 2014.

The applications will be accepted until the Auditorium reaches full capacity.

Information for poster submission and scholarship are available on the website: www.iss.it/ifnf/

Certificate of participation

Certificates of participation will be available upon request at the end of the event.

For any information regarding the event, please send an email to ifnfundamentals2014@iss.it or contact the Technical Secretariat.

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Organized by



Department of Hematology, Oncology and Molecular Medicine

in association with

Department of Infectious, Parasitic and Immune-mediated Diseases



Department of Sciences



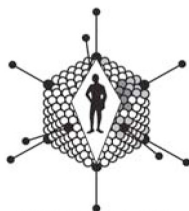
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